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(54) Title: METHOD FOR HIGH THROUGHPUT CELL-BASED ASSAYS USING VERSATILE LIVING MICROARRAYS

(57) Abstract: The present invention relates to methods for screening of cellular responses of cellular components comprising: (a) providing cellular components on the surface of a substrate, said substrate having immobilized thereon an array of detector molecules; (b) delivering test compounds to positions on the substrate corresponding to the arrayed detector molecules on the surface of said solid substrate; (c) incubating said test compounds with said cellular components on the surface of the solid support, under conditions allowing the induction of cellular responses; (d) assaying said cellular responses; and, identifying and characterizing the cellular responses induced by said test compounds. The present invention further relates to the uses of said methods as well as microarrays and kits for carrying out said methods.

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